



# Focus on Reclaimed Water Use



Realizing that Washington's economy and quality of life depend on the availability of high quality water supplies, the state implemented the Reclaimed Water Use Act in 1992. Reclaimed water is a water supply created through the treatment and restoration of wastewater. Reclaimed water replaces drinking or "potable" water supplies for many non-potable uses (such as irrigation and toilet flushing) to help meet growing water demands. Reclaimed water also replaces diversions from aquifers, rivers, or lakes, allowing more water to stay in our rivers and streams for fish, wildlife recreation, navigation, aesthetics and other uses.

## Program Status

State lawmakers directed the departments of Ecology and Health to jointly develop standards, design criteria, procedures and guidelines for municipal reclaimed water in 1997. The agencies review requirements for the use of industrial wastewaters on a case-by-case basis.

State law requires all municipal wastewater treatment facilities to consider opportunities for reclaimed water use during planning efforts. With limited state resources, program implementation has focused on three key areas:

- Information, technical assistance and project review.
- Interagency coordination and training.
- Strategic partnerships with other local, regional and national efforts.

Reclaimed water projects are sophisticated facilities that can require several years to plan, design and build. As shown on page 2, there are currently 18 operating facilities ranging in size from 1,000 gallons to seven million gallons per day. Ecology and Health have provided assistance for more than 60 proposals in various stages of evaluation or development.

## Future Direction

As we move to build a vigorous reclaimed water program, new projects propose innovative technologies and uses not fully envisioned in the 1997 standards. Ecology and Health are working together to remove barriers and refine the program to meet Washington's specific needs.

## For more information:

Ecology's Web site, <http://www.ecy.wa.gov/programs/wq/reclaim/index.html>, includes a list of frequently asked questions about reclaimed water use. The department is preparing a collection of case studies on 15 existing or planned projects available in early 2005.

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<u>County</u>	<u>Facility</u>	<u>Uses</u>	<u>Contact</u>
Clallam	<i>City of Sequim</i>	<i>Class A - Irrigation, stream flow enhancement, ground water recharge and city uses (0.67 MGD).</i>	<i>Jim Bay 360-683-4908</i>
Clallam	<i>Sunland Water District</i>	<i>Class D - Field irrigation (0 .1 - .3 MGD). Planned upgrade to Class A.</i>	<i>Dick Stuhr 360-683-3905</i>
Grant	<i>City of Ephrata</i>	<i>Class A - Groundwater recharge, irrigation, city and commercial uses (1.12mgd).</i>	<i>Wes Crago 509-754-6961</i>
Grant	<i>City of Quincy Class A</i>	<i>Class A - Groundwater recharge (1.54 MGD).</i>	<i>Daniel Frazier 509-787-3523</i>
Grant	<i>Royal City</i>	<i>Class A - Groundwater recharge; irrigation uses (0.25 MGD).</i>	<i>Harry Yamamoto 509-346-2263</i>
King	<i>South Plant</i>	<i>Class A - Landscape irrigation (1.3 MGD).</i>	<i>Tom Fox 206-296-5279</i>
King	<i>West Point</i>	<i>Class A - On-site irrigation and plant process water (1 MGD).</i>	
King	<i>City of Snoqualmie</i>	<i>Class A - Golf course and landscape irrigation (1.6 - 2 MGD).</i>	<i>Kirk Holmes 425-831-49195, ext. 12</i>
Mason	<i>North Bay/ Case Inlet</i>	<i>Class A - Irrigation and groundwater recharge (0.3 MGD).</i>	<i>Gary Yando 360-427-9670, ext.270</i>
San Juan	<i>Friday Harbor</i>	<i>Class A -Toilet flushing (1000 gpd).</i>	<i>Mike Kauffman, Env. Health. 360-378-4474</i>
Spokane	<i>Medical Lake</i>	<i>Class A - Lake augmentation (1.85 MGD).</i>	<i>Doug Ross 509-299-7712</i>
Thurston	<i>LOTT</i>	<i>Class A - New 2004 - Budd Inlet facility (1.5 MGD).</i>	<i>Karla Fowler 360-664-2333 ext. 1112</i>
Thurston	<i>City of Yelm</i>	<i>Class A - Irrigation; wetlands, groundwater recharge (1.0 MGD).</i>	<i>Shelly Badger 360-458-8405</i>
Walla Walla	<i>City of College Place</i>	<i>Class C quality<sup>1</sup> - Irrigation, stream flow augmentation, wetlands. (1.5 MGD).</i>	<i>Paul Hartwig 509-529-1200 ext. 32</i>
Walla Walla	<i>City of Walla Walla</i>	<i>Class A quality<sup>1</sup> - On compliance schedule to meet full Class A standards by 2008. Food crop irrigation (6.2 MGD).</i>	<i>Frank Nicholson/ Hal Thomas 509-527-4537</i>
Island (Whidbey)	<i>Holmes Harbor</i>	<i>Class A - Golf course irrigation (0.1 MGD).</i>	<i>Ken Ecklebarger 360-331-4636</i>
Island (Whidbey)	<i>Main Street Sewer District</i>	<i>Class A - Groundwater recharge -- Irrigation potential (17,500 gpd).</i>	<i>Rick Almberg 360-675-2438</i>
Tribal <sup>2</sup> Snohomish	<i>Tulalip Tribe</i>	<i>Membrane bioreactor facility – 1.3 mgd capacity. Irrigation, groundwater recharge and proposed commercial uses.</i>	<i>1-800-869-8287</i>

1. College Place and Walla Walla do not meet the alternative discharge reliability criteria in the 1997 Water Reclamation Standards.
2. State agencies do not regulate tribal facilities. Regulation is through USEPA and Indian Health Services.

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